

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF122415.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Dec 24 16:48:39 2015
 Response Via : Initial Calibration

Calibration Files

2.5 =BF084075.D 10 =BF084076.D 25 =BF084077.D 40 =BF084078.D 50 =BF084079.D 60 =BF084080.D 80 =BF084081.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.427	0.503	0.512	0.497	0.469	0.489	0.486	0.483	5.87
3)	Pyridine	0.923	1.185	1.239	1.158	1.160	1.349	1.252	1.181	11.15
4)	n-Nitrosodimet...	0.452	0.542	0.508	0.526	0.539	0.555	0.520		7.16
5) S	2-Fluorophenol	1.195	1.188	1.186	1.221	1.176	1.205	1.086	1.180	3.73
6)	Aniline	1.830	1.891	1.927	1.891	1.795	1.784	1.797	1.845	3.10
7) S	Phenol-d6	1.686	1.381	1.555	1.384	1.424	1.451	1.337	1.460	8.33
8)	2-Chlorophenol	1.608	1.454	1.519	1.514	1.415	1.395	1.349	1.465	6.02
9)	Benzaldehyde	0.874	0.870	0.877	0.768	0.737	0.712	0.628	0.781	12.38
10) C	Phenol	1.879	1.705	1.784	1.534	1.548	1.806	1.430	1.669	10.00
11)	bis(2-Chloroet...	1.267	1.217	1.233	1.171	1.171	1.230	1.138	1.204	3.75
12)	1,3-Dichlorobe...	1.783	1.647	1.625	1.633	1.547	1.515	1.445	1.599	6.83
13) C	1,4-Dichlorobe...	1.664	1.581	1.599	1.636	1.584	1.647	1.556	1.609	2.47
14)	1,2-Dichlorobe...	1.661	1.605	1.545	1.425	1.333	1.364	1.449	1.483	8.34
15)	Benzyl Alcohol	1.073	1.219	1.132	1.094	1.125	1.100	0.994	1.105	6.13
16)	2,2'-oxybis(1-...	1.368	1.236	1.191	1.117	1.080	1.125	1.116	1.176	8.47
17)	2-Methylphenol	1.264	1.196	1.154	1.058	1.021	1.118	1.063	1.125	7.66
18)	Hexachloroethane	0.603	0.639	0.607	0.590	0.563	0.573	0.537	0.587	5.68
19) P	n-Nitroso-di-n...	0.982	0.915	0.963	0.859	0.852	0.887	0.837	0.899	6.24
20)	3+4-Methylphenols	1.658	1.447	1.453	1.419	1.321	1.337	1.410	1.435	7.73
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.561	0.543	0.480	0.496	0.479	0.465	0.474	0.500	7.43
23) S	Nitrobenzene-d5	0.349	0.352	0.360	0.325	0.331	0.355	0.321	0.342	4.57
24)	Nitrobenzene	0.407	0.383	0.330	0.373	0.378	0.332	0.337	0.363	8.26
25)	Isophorone	0.716	0.640	0.616	0.624	0.609	0.613	0.607	0.632	6.10
26) C	2-Nitrophenol	0.160	0.189	0.178	0.184	0.192	0.205	0.191	0.186	7.57
27)	2,4-Dimethylph...	0.327	0.290	0.290	0.326	0.329	0.308	0.287	0.308	6.22
28)	bis(2-Chloroet...	0.442	0.407	0.359	0.325	0.332	0.353	0.361	0.368	11.38
29) C	2,4-Dichloroph...	0.310	0.296	0.285	0.271	0.273	0.290	0.278	0.286	4.80
30)	1,2,4-Trichlor...	0.361	0.324	0.315	0.315	0.301	0.301	0.280	0.314	7.98
31)	Naphthalene	1.227	1.080	1.059	1.064	1.072	1.035	0.910	1.064	8.72
32)	Benzoic acid	0.118	0.144	0.135	0.157	0.167	0.167	0.167	0.148	13.19
33)	4-Chloroaniline	0.438	0.456	0.405	0.391	0.422	0.441	0.411	0.423	5.39
34) C	Hexachlorobuta...	0.212	0.188	0.168	0.165	0.171	0.174	0.173	0.179	9.24
35)	Caprolactam	0.071	0.081	0.078	0.084	0.081	0.083	0.077	0.079	5.29
36) C	4-Chloro-3-met...	0.320	0.334	0.314	0.328	0.320	0.302	0.335	0.322	3.63
37)	2-Methylnaphth...	0.825	0.746	0.642	0.608	0.594	0.613	0.635	0.666	12.92

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.720	0.638	0.640	0.641	0.607	0.601	0.567	0.630	7.60
40) P	Hexachlorocycl...		0.045	0.090	0.126	0.158	0.174	0.180	0.129	41.03
41) S	2,4,6-Tribromo...	0.216	0.217	0.203	0.198	0.216	0.223	0.221	0.213	4.41
42) C	2,4,6-Trichlor...	0.392	0.453	0.406	0.406	0.395	0.414	0.412	0.411	4.89
43)	2,4,5-Trichlor...	0.367	0.447	0.411	0.418	0.414	0.409	0.413	0.411	5.73
44) S	2-Fluorobiphenyl	1.623	1.568	1.526	1.389	1.339	1.329	1.458	1.462	7.86
45)	1,1'-Biphenyl	1.964	1.826	1.809	1.912	1.864	1.701	1.571	1.807	7.36
46)	2-Chloronaphth...	1.505	1.370	1.416	1.403	1.314	1.288	1.319	1.374	5.47
47)	2-Nitroaniline	0.304	0.368	0.348	0.380	0.424	0.392	0.338	0.365	10.69
48)	Acenaphthylene	2.514	2.393	2.281	2.158	2.106	2.100	2.238	2.256	6.84
49)	Dimethylphthalate	1.768	1.720	1.547	1.613	1.748	1.584	1.615	1.656	5.27
50)	2,6-Dinitrotol...	0.352	0.347	0.341	0.381	0.339	0.317	0.384	0.352	6.77
51) C	Acenaphthene	1.487	1.393	1.315	1.261	1.204	1.225	1.299	1.312	7.56
52)	3-Nitroaniline	0.377	0.399	0.346	0.404	0.375	0.329	0.411	0.377	8.19
53) P	2,4-Dinitrophenol		0.033	0.070	0.089	0.117	0.130	0.134	0.095	41.11
54)	Dibenzofuran	2.153	1.979	1.797	1.683	1.652	1.630	1.735	1.804	10.75
55) P	4-Nitrophenol		0.164	0.175	0.192	0.219	0.205	0.201	0.193	10.38
56)	2,4-Dinitrotol...	0.463	0.505	0.467	0.439	0.495	0.487	0.392	0.464	8.35
57)	Fluorene	1.835	1.652	1.557	1.451	1.395	1.394	1.450	1.533	10.59
58)	2,3,4,6-Tetrac...	0.260	0.299	0.298	0.296	0.310	0.285	0.306	0.293	5.69
59)	Diethylphthalate	1.944	1.795	1.615	1.527	1.684	1.742	1.471	1.683	9.64
60)	4-Chlorophenyl...	0.835	0.777	0.676	0.650	0.642	0.673	0.697	0.707	10.18
61)	4-Nitroaniline	0.287	0.338	0.353	0.358	0.399	0.340	0.365	0.349	9.74
62)	Azobenzene	1.391	1.364	1.353	1.354	1.379	1.413	1.450	1.386	2.56
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.086	0.111	0.103	0.122	0.124	0.120	0.111	13.26
65) c	n-Nitrosodiphe...	0.797	0.746	0.743	0.745	0.654	0.639	0.667	0.713	8.33
66)	4-Bromophenyl-...	0.270	0.234	0.250	0.234	0.215	0.213	0.207	0.232	9.74
67)	Hexachlorobenzene	0.274	0.274	0.251	0.242	0.236	0.248	0.250	0.254	5.87
68)	Atrazine	0.220	0.221	0.240	0.195	0.205	0.226	0.197	0.215	7.61
69) C	Pentachlorophenol		0.041	0.061	0.069	0.078	0.080	0.085	0.069	23.41
70)	Phenanthrene		1.449	1.295	1.202	1.099	1.030	1.039	1.186	13.87
71)	Anthracene	1.545	1.356	1.189	1.204	1.204	1.171	1.009	1.240	13.56
72)	Carbazole		1.224	1.107	0.995	0.973	0.998	1.032	1.055	9.02
73)	Di-n-butylphth...	1.691	1.521	1.388	1.295	1.228	1.190	1.199	1.359	13.87
74) C	Fluoranthene		1.702	1.369	1.290	1.207	1.096	0.987	1.275	19.58
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine		0.762	0.787	0.700	0.666	0.614	0.549	0.680	13.17
77)	Pyrene		2.096	1.794	1.791	1.684	1.602	1.386	1.725	13.67
78) S	Terphenyl-d14	1.324	1.226	1.131	1.033	0.974	1.029	1.020	1.105	11.59
79)	Butylbenzylphth...	0.713	0.705	0.710	0.722	0.730	0.732	0.688	0.714	2.14
80)	Benzo(a)anthra...		1.425	1.313	1.220	1.171	1.187	1.065	1.230	10.11
81)	3,3'-Dichlorob...	0.329	0.381	0.421	0.407	0.372	0.362	0.336	0.373	9.09
82)	Chrysene		1.299	1.240	1.206	1.124	0.986	0.952	1.134	12.37

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83)	Bis(2-ethylhex...	0.944	0.927	0.976	0.959	0.939	0.881	0.834	0.923	5.32
84) c	Di-n-octyl pht...	1.237	1.302	1.384	1.380	1.323	1.274	1.191	1.299	5.50
85)	Indeno(1,2,3-c...	1.060	1.059	1.156	1.182	1.119	1.226	1.150	1.136	5.43
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.799	1.633	1.604	1.487	1.356	1.287	1.230	1.485	13.91
88)	Benzo(k)fluora...		1.025	0.886	0.955	1.035	1.088	1.050	1.007	7.29
89) C	Benzo(a)pyrene	1.555	1.204	1.191	1.181	1.169	1.147	1.118	1.224	12.16
90)	Dibenzo(a,h)an...	1.230	1.173	1.179	1.215	1.164	1.235	1.164	1.194	2.63
91)	Benzo(g,h,i)pe...	1.277	1.160	1.191	1.235	1.199	1.277	1.193	1.219	3.73

(#) = Out of Range